



Ring No	ANSI / BS / MSS Flanges					API (psi)		Ring No	ANSI / BS / MSS Flanges					API (psi)	
	Class 150lb	Class 3/600lb	Class 900lb	Class 1500lb	Class 2500lb	Class 2/3000	Class 5000		Class 150lb	Class 3/600lb	Class 900lb	Class 1500lb	Class 2500lb	Class 2/3000	Class 5000
R11		1/2"						R58					12"		
R12			1/2"	1/2"				R59	14"						
R13		3/4"			1/2"			R60					12"		
R14			3/4"	3/4"				R61		14"					
R15	1"							R62			14"				
R16		1"	1"	1"	3/4"			R63*				14"			
R17	1.1/4"							R64	16"						
R18		1.1/4"	1.1/4"	1.1/4"	1"			R65*		16"				16.3/4"	
R19	1.1/2"							R66*			16"			(16")	
R20		1.1/2"	1.1/2"	1.1/2"				R67				16"			
R21					1.1/4"			R68	18"						
R22	2"							R69*		18"					
R23*		2"			1.1/2"	2.1/16"***		R70*			18"			(18")	
R24*			2"	2"		(2.1/16")	2.1/16"	R71				18"			
R25	2.1/2"							R72	20"						
R26*		2.1/2"			2"	2.9/16"		R73*		20"				21.1/4"***	
R27*			2.1/2"	2.1/2"		(2.9/16")	2.9/16"	R74*			20"			(20.3/4")	
R28					2.1/2"			R75				20"			
R29	3"							R76	24"						
R30!		3"						R77		24"					
R31*		3"	3"			3.1/8"		R78			24"				
R32					3"			R79				24"			
R33	3.1/2"							R80	22"						
R34		3.1/2"						R81		22"					
R35*				3"			3.1/8"	R82*							
R36	4"							R84*							
R37*		4"	4"			4.1/16"		R85*							
R38					4"			R86*							
R39*				4"			4.1/16"	R87*							
R40	5"							R88*							
R41*		5"	5"					R89*							
R42					5"			R90*							
R43	6"							R91*							
R44*				5"				R92							
R45*		6"	6"			7.1/16"		R93		26"					
R46*				6"			7.1/16"	R94		28"					
R47*					6"			R95		30"					
R48	8"							R96		32"					
R49*		8"	8"			9"		R97		34"					
R50*				8"			9"	R98		36"					
R51					8"			R99*							
R52	10"							R100			26"				
R53*		10"	10"			11"		R101			28"				
R54*				10"			11"	R102			30"				
R55					10"			R103			32"				
R56	12"							R104			34"				
R57*		12"	12"			13.5/8"		R105			36"				

Material	UNS Number	Identification	Brinell	Rockwell B
Soft Iron	n/a	D	90	56
Low Carbon Steel	n/a	S	120	68
4-6% Chrome 1/2% Moly	K42544	F5	130	72
S304 Stainless Steel	S30400	S304	160	83
S316 Stainless Steel	S31600	S316	160	83
S347 Stainless Steel	S34700	S347	160	83
S410 Stainless Steel	S41000	S410	170	86
Alloy 400	N04400	A400	200	
Alloy 625	N06625	A625	210	
Alloy 825	N08825	A825	180	
Alloy C276	N10276	C276	200	
SMO 254 (F44)	S32154	F44	180	
Duplex (F51)	S31803	F51	230	

Notes
* Denotes Ring Number Specified in API 6A
** Denotes Nominal Pipe Sizes for 2000 Class Rating only.
() Denotes Nominal Pipe Sizes for 3000 Class Rating only.
! Denotes for Ring Number R30 is suitable for Lapped Flanges only.